

10575137

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 May 2005 (12.05.2005)

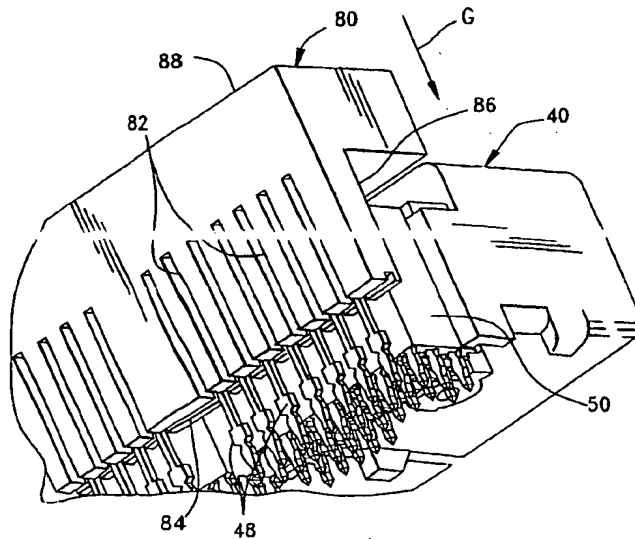
PCT

(10) International Publication Number
WO 2005/043693 A1

- (51) International Patent Classification⁷: **H01R 43/20**, 12/20
- (21) International Application Number: PCT/US2004/035214
- (22) International Filing Date: 25 October 2004 (25.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2003-368515 29 October 2003 (29.10.2003) JP
- (71) Applicant (for all designated States except US): **MOLEX INCORPORATED** [US/US]; 2222 Wellington Court, Lisle, IL 60532 (US).
- (71) Applicants and
(72) Inventors: **YAMAMOTO, Masahiro** [JP/JP]; 198-1-204 Higashi-Kibohgaoka, Asahi-ku, Yokohama-shi, Kanagawa 241-0826 (JP). **HOSHINO, Tetsuo** [JP/JP]; 1020-1, Iigashi-Matanocho, Totsuka-ku, Yokohama, Kanagawa 245-0065 (JP). **TETSUKA, Yoshihiro** [JP/JP]; Sun-Pearl-Yamato #301, 10-14 Yamato-higashi, 3-chome, Yamato-shi, Kanagawa 242-0017 (JP).
- (74) Agent: **CALDWELL, Stacey, E.**; Molex Incorporated, 2222 Wellington Court, Lisle, IL 60532 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: BOARD-MOUNTED ELECTRICAL CONNECTOR



(57) Abstract: An electrical connector is provided for mounting on a circuit board and includes a dielectric housing mounting a plurality of first terminals having circuit board press-fit portions projecting therefrom. A plurality of second terminals are mounted on the housing and have circuit board press-fit portions projecting therefrom. A press-fitting block is engageable with the housing and is locked to the first terminals for press-fitting the first terminals into holes in the circuit board. The press-fit portions of the second terminals are exposed exteriorly of the housing and the press-fitting block for locking engagement by an appropriate independent pressfitting jig for press-fitting the second terminals into holes in the circuit board.

WO 2005/043693 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.